

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMB	APPROP. FY
QSS Group, Inc.	NAS5- TASK NO. AMENDMENT 99124 351	582-740-50-15-89	00

TASK TITL (NTE 80 characters; include Project name)

Swift BAT Instrument and Figure of Merit Flight Software Sys/Development Services

APPROVA (Type or print name and sign)				
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Mike Blau <i>Mike Blau</i>	8/25/00	582	582	301-286-7880
BRANCH HEAD	DATE	CODE	PHONE	
Elaine Shell <i>Elaine Shell</i>	8/25/00	582	301-286-2628	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE	PHONE	
Robert Lebar <i>Robert Lebar</i>	8/25/00	560	301-286-6588	
FLIGHT HARDWARE, CRITICAL GSE OR (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	Larry Moore			

The contractor shall identify and explain the reason for any deviations, or conditional assumptions taken with respect to this Task Order or to a technical requirements of the Task Order Statement of Work and relate The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on
Date: AUG 30 2000

Contractor will develop specification or statement of work under this task for a future procurement. <input checked="" type="checkbox"/> N <input type="checkbox"/> YES	
Flight hardware will be shipped to GSFC for testing prior to final delivery <input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A	
Government Furnished Property/Facilities: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)	
Onsite Performance:	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES If yes: <input checked="" type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL If partial, indicate onsite work in SOW by asterisk (*)
Surveillance Plan Attached:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Highlighted Contract Clauses:	(to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be 10/1/00.

INCENTIVE FEE STR (check one)

	X No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	10%
Schedule	15%	25%	25%	50%	20%
Technical	75%	25%	50%	25%	70%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 628,288
 The target fee of this task order is \$ 1,173
 The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 629,461
 The maximum fee is \$ 1,714
 The minimum fee is \$0.

AUTHORIZED SIGNATURE	
<i>Elizabeth J. Austin</i>	10/3/00
SIGNATURE OF CONTRACTING OFFICER	DATE
ELIZABETH J. AUSTIN CONTRACTING OFFICER	
TYPED NAME OF CONTRACTING OFFICER	

CONTRACTOR'S ACCEPTANCE:	
AUTHORIZED SIGNATURE	DATE

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR

CONTRACT NO./TASK NO.

QSS Group, Inc.

NAS5-

99124

TASK NO.

351

AMENDMENT

Applicable paragraphs from contract Statement of Work: 2D06; 2E-5

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

(This is a follow-on to Task 199 under this contract; uninterrupted transition is required.)

The contractor shall provide BAT Instrument Processing Electronics (IPE) and Figure of Merit (FoM) flight software (FSW) services for: (1) FSW requirements definition, (2) FSW development and (3) FSW testing.

Specifically, the contractor:

1. Must have experience in the design, implementation and testing of the MIDEX/MAP flight data system architecture.
2. Must have familiarity/experience with the BAT IPE components being considered (e.g., Summit 1553, LockMart Rad6000 uP, ADSP 21020, PCI backplane, VxWorks RTOS).
3. Shall determine the overall Swift BAT instrument performance requirements (i.e., science processing, timing, data system requirements).
4. Shall work with BAT IPE developers to ensure the electronics supports the Swift performance requirements.
5. Shall provide BAT flight software systems engineering services.
6. Shall design/implement the Swift FoM FSW.
7. Shall participate in the BAT FSW Single Design Review (12/00).

PERFORMANCE SPECIFICATIONS:

Requirements, design, coding, and test standards shall be in accordance with standard practices within Code 582.

Technical Progress Report: Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention.

Management: Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

APPLICABLE DOCUMENTS:

None.

TASK END DATE: 9/30/01**MILESTONES/DELIVERABLES AND DATES:**

- | | |
|------------------------------|----------------------------|
| 1. BAT FSW Design Review | 12/31/00 |
| 2. Mission CDR | 5/31/01 |
| 3. Technical Progress Report | monthly; 15th of the month |

PERFORMANCE STANDARDS:

Schedule:	On-time delivery/completion of the deliverables/milestones
Technical:	ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Mike Blau, building 23, room W431